CLAIMS

1. A method of configuring a generic transaction server, comprising a transaction kernel being specific for the server and has a plurality of configured services assigned, such as
5 linked to the transaction kernel, said generic transaction server being useful for performing transactions on a computer system, said method comprising the steps of:
   • selecting and/or adding a number of services, said selection being preferably based on a business model, each service being adapted to communicate with a transaction kernel by keyword/value pairs; each keyword/value pairs is either input, output and/or
10   internal;
   • configuring some or all of the services selected, said configuration being preferably performed in such a manner so that the configured services are reflecting the business model;
   • if necessary or desired generating a business configuration database defining the
15   configured services related to the business model;
   and
   • building a transaction kernel of the generic transaction server, said transaction kernel being adapted to inserting, hashing and fetching keyword/value pairs from and routing keyword/value pairs between services linked to the transaction kernel, said inserting,
20   fetching and routing being instantiated by receipt of a transactions string.

2. A method according to claim 1, wherein said inserting, fetching and routing performed by the transaction kernel is(are) being instantiated by receipt of a transaction string.

25 3. A method according to claim 1, wherein the services are assigned, such as linked, to the transaction kernel by inherent characteristics and/or features of the services, so establishment of pronounced links between the services and the transaction kernel is not present.

30 4. A method according to claim 3, wherein generation of the transaction kernel is performed in such a manner that said inherent characteristics of the services is considered during generation so as to establish the inherent links between the transaction kernel and the services.

5. A method according to claim 3, wherein said inherent characteristics and/or features are provided by generation of a hashing formation, such as a vector, matrix or the like,.

6. A method according to claim 1, wherein one or more of the selected services is(are)
5 pre-configured and wherein only those selected services not being pre-configured are configured.

7. A method according to claim 1, wherein some or all of the selected services are selected from a pre-developed plurality of services, such as services configured to tax
10 calculation, credit card clearance and connections.

8. A method according to claim 1, further comprising the process of generating one or more service.

15 9. A method according to claim 1, further comprising the step of consulting an interface server when configuring a service.

10. A method according to claim 1, further comprising the step of generating a single server entry point where all or substantial all communication to and from the transaction
20 kernel goes through.

11 A method according to claim 1, which method further comprising the step of building a hashing formation, such as a vector, matrix or the like, for parsing a data string, preferably being character based, comprising at least one keyword/value pair, which method
25 comprises
- providing a predefined hashing formation, such as a vector, matrix or the like, in which each predefined combination of a selection of characters is represented by a unique element, said selection of characters being preferably all those characters or substantially all those characters being allowed to figure in said keywords;
30 and
- for each keyword to be supported by the kernel, assigning a first pointer to the element representing the combination of characters representing the keyword in question, which first pointer is pointing to said keyword.

12. A method according to claim 1, which method further comprising the steps of building a separate hashing formation, such as a vector, matrix or the like, for parsing reserved keyword/value pair, said reserved keyword/values pairs stipulates for instance services to be requested, priority of execution service, host on which the service is to be executed

5 etc.

13. A generic transaction server comprising a transaction kernel having a plurality of configured services assigned, such as linked, wherein

10 • said services communicates with the transaction kernel by keyword/value pairs; each keyword/value pair is either input, output or internal;

• said transaction kernel being adapted to inserting and fetching keywords from services assigned, such as linked, to the transaction kernel

and wherein

15 • communication to and from the transaction kernel is provided by a Server entry point.

14. A generic transaction server according to claim 13, wherein said transaction kernel further is adapted to routing keywords between said services.

20 15. A generic transaction server according to claim 13, wherein a service entity corresponding to said services is defined by one or more attributes, such as service identifier, code for routing to the service, description of the service and/or state attribute.

16. A generic transaction server according to claim 13, wherein a keyword entity

25 corresponding to said keyword/value pairs is defined by a number of attributes, such as keyword identifier, keyword code and/or keyword description.

17. A generic transaction server according to claim 13, wherein a relation between a keyword/value pair and a service is defined as attributes, said attributes being preferably

30 defined within the framework of entities (keyword in service entities).

18. A generic transaction server according to claim 13, wherein the relation between keyword/value pair and service also links between services.

19. A generic transaction server according to claim 13, further comprising a transaction main module and/or an encryption module and/or database API and/or.

20. A generic transaction server according to claim 13, wherein all or substantial all
5 communication to and from the transaction kernel goes through a single Server entry point.

21. A generic transaction server according to claim 13, wherein said inserting, fetching and routing performed by the transaction kernel is(are) being instantiated by receipt of a
10 transaction string.

22. A generic transaction server according to claim 13, wherein a request for a service is initiated by the generic transaction server.

15 23. A generic transaction server according to claim 13, wherein the services are assigned, such as linked, to the transaction kernel by inherent characteristics and/or features of the services, so establishment of pronounced links between the services and the transaction kernel is not present.

20 24. A generic transaction server according to claim 13, said transaction system utilizes a transaction data model comprising a service entity, a keyword entity, keyword in service entities and a section entity.

25. A transaction system according to claim 24, in which a section entity groups a number
25 of keywords and/or comprises multiple values on keywords.

26. A generic transaction server according to claim 13, said generic transaction server further comprising a hashing formation, such as a vector, matrix or the like, for parsing elements of a data string, preferably being character based, comprising at least one
30 keyword/value pair, said hashing formation comprises
-        a plurality of pointers to pointers entities; wherein each of the pointer to pointer entities comprises a first pointer pointing at either directly or indirectly at least one second pointer configurable to pointing at at least one of the elements of the data string or being null-terminated, such as pointing at a null-pointer;

Preferably, an element may be a keyword, a value and/or a keyword/value pair comprised in the data string.

and

5 -   an entry to each first pointer.

27. A generic transaction server according to claim 26, wherein each entry to each first pointer is indexed and accessible by a selected number of characters of the keyword corresponding to second pointer.

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28. A generic transaction server according to claim 27, wherein the selected numbers of characters are the first and the last character of said keyword corresponding to said second pointer.

15 29. A generic transaction server according to claim 27, wherein, in case the first pointer points at more than one second pointer, said second pointers being arranged in an array further comprising information indicating the number of second pointers comprised in the array.

20 30. A generic transaction server according to claim 26, wherein said hashing formation supports use of section entities by use of section markers.

31. A generic transaction server according to claim 26, said generic transaction server comprises a separate hashing formation for parsing reserved keyword/value pair, said

25 reserved keyword/values pairs stipulates for instance services to be requested, priority of execution service, host on which the service is to be executed etc.

32. A generic transaction server according to claim 31, wherein said separate hashing formation comprises entries, wherein each entry corresponds to a reserved keyword and

30 wherein each entry having assigned to it a pointer pointing at the functionality corresponding to said reserved keyword.

33. A computer system comprising a transaction server according to claim 13 and an interface server supporting asynchronous to synchronous transactions sequences of the

35 computer system, the interface server comprises

-   a set of interface functions for accessing services being external to the transaction server,

-   one or more connections each connecting a service of the transaction server to the interface server enabling data communication from services of the transaction

5   server and to the interface server,

and

-   a connection between one or more of the interface server's interfaces and a Server entry point of the transaction server.

10 34. A computer system according to claim 33, further comprising a scheduler for controlling accessing of the services being external to the transaction server.

35. A computer system according to claim 33, further comprising storage means for storing and retrieving data to be processed by the one or more external services, and

15 wherein one or more of the interface functions being adapted to store and retrieve data to be processed by the one or more external services.

36. A platform for performing e-commerce transactions, said platform comprises a generic transaction server according to any of the claims 13.

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37. A platform for performing e-commerce transaction, said platform comprises a computer system according to claim 33.

38. A computer system comprising processor means and storage means for carrying out

25 the method according to claim 1.